

Former Williams Air Force Base, Mesa, Arizona
Site Status Summary for Quarterly Partnering Meeting, April 2015

- **ST012 (former fuel storage/distribution facility; LNAPL, BTEX, naphthalene)**
 - Steam Enhanced Extraction (SEE) started up in September 2014
 - Operational/Maintenance issues with biofouling and boiler scaling slowed progress down during Feb-Mar; issues addressed and steam ramping up again
 - Approximately 70,000 gal LNAPL equivalent removed through 30 March. Currently 1500 gal/day recovered LNAPL and rising.
 - LNAPL observed in ST012-W37 well, a Lower Stratigraphic Zone well east of Sossaman. Elevated benzene concentrations indicative of LNAPL presence have been reported in W37 since it was installed in 2009. LNAPL has been noted in W37 since 2012 and the presence of LNAPL at the well during SEE operations is not attributed to migration from the ST012 thermal treatment zones (TTZs). LNAPL presence east of Sossaman Road was identified prior to remedy selection in 2013 and the planned response for this area is Enhanced Bioremediation (EBR) as documented in the RD/RAWP. W37 is within the groundwater containment zone and the observed increases in LNAPL during SEE operations are in response to hydraulic changes in the area that allow LNAPL already in the vicinity to accumulate in the well, similar to observations during the operation of the ST012 containment system in 2012-2013 before SEE operations commenced. A pump has been installed and LNAPL is removed at least weekly when accumulations are observed (140 gallons removed since December 2013). Weekly results are reported to the BCT in system updates. Responses to ADEQ comments and updated LNAPL SOPs for W37 have been provided.
 - One year of SEE is expected to achieve transition objectives for reduction in LNAPL mass and benzene. Transition to Enhanced Bioremediation (EBR) will address residual contamination.
- **LF004 (former base landfill; LF maintenance/monitoring, TCE/PCE in groundwater and soil vapor)**
 - Started up in September 2014 with In Well Air Stripping (IWAS)/Oxidation and Soil Vapor Extraction (SVE) – IWAS/SVE mass removal and oxidation have been effective
 - Approximately 70 lbs TCE/PCE removed from shallow and deep soil vapor; over 4 lbs TCE/PCE removed from groundwater
 - Permanganate oxidation used for PCE plume area and is being expanded to part of TCE plume area

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- **FT002 (fire training area; primarily petroleum hydrocarbons remain)**
 - Declaration of Environmental Use Restriction is in place pending unrestricted closure.
 - Additional SVE action implemented in June 2014 to achieve OU-3 ROD objectives.
 - Single nested SVE well (three screen intervals) is operational, 1500 lbs VOCs removed; rebound period expected in April pending sample results
 - Perfluorinated compound sampling results did not exceed direct contact exposure screening levels or indicate a potential for groundwater impact
- **SS017 (Old Pesticide Paint Shop; dieldrin)**
 - Final Supplemental Risk Assessment and Draft Final Proposed Plan submitted September 2014
 - Responses to Agency Comments and Revised Draft Final Proposed Plan submitted 20 January 2015
 - Formal Dispute invoked 20 February 2015; resolution in progress
- **ST035 (former gas station; BTEX, 1,2-dichloroethane, MTBE, ethylene dibromide)**
 - SVE system shutdown for rebound test, currently in post shutdown monitoring phase
 - Shallow soil vapor and soil confirmation sampling planned
 - Closure planned dependent on confirmation sampling and evaluation
- **Parcel N MMRP site (former munitions disposal area; MD/MEC/CAIS)**
 - Site Investigation Report to be submitted Apr 2015
 - After Action Report and No Further Action ESS to be submitted in Sep 2015
- **Partial NPL Deletion**
 - Initiation Package (Scoping) submitted September 2014
 - Draft NOIPD submittal for EPA Regional and ADEQ review planned for Apr/May 2015
 - Draft Final NOIPD submittal for EPA HQ review to follow EPA Regional review and State concurrence
 - Support for Partial Deletion indicated to Air Force by PGMAA and ASU